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# **WATER SUPPLY OUTLOOK FOR UTAH**

U.S. DEPT. OF AGRIC. LIFE  
SOIL CONSERVATION

APR 17 '74

CRICL - 100 SECTION  
CURRENT SER. RECORDS



**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES  
-- DIVISION OF WATER RIGHTS**

AS OF  
**APR. 1, 1974**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Snow Surveyors near Ship Creek,  
Alaska snow course.*

PHOTO A-712-11

## PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bazeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

## PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

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UTAH STATE DEPT. OF NATURAL RESOURCES



*Report prepared by*

**BOB L. WHALEY, Snow Survey Supervisor**

SOIL CONSERVATION SERVICE  
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SALT LAKE CITY, UTAH 84138



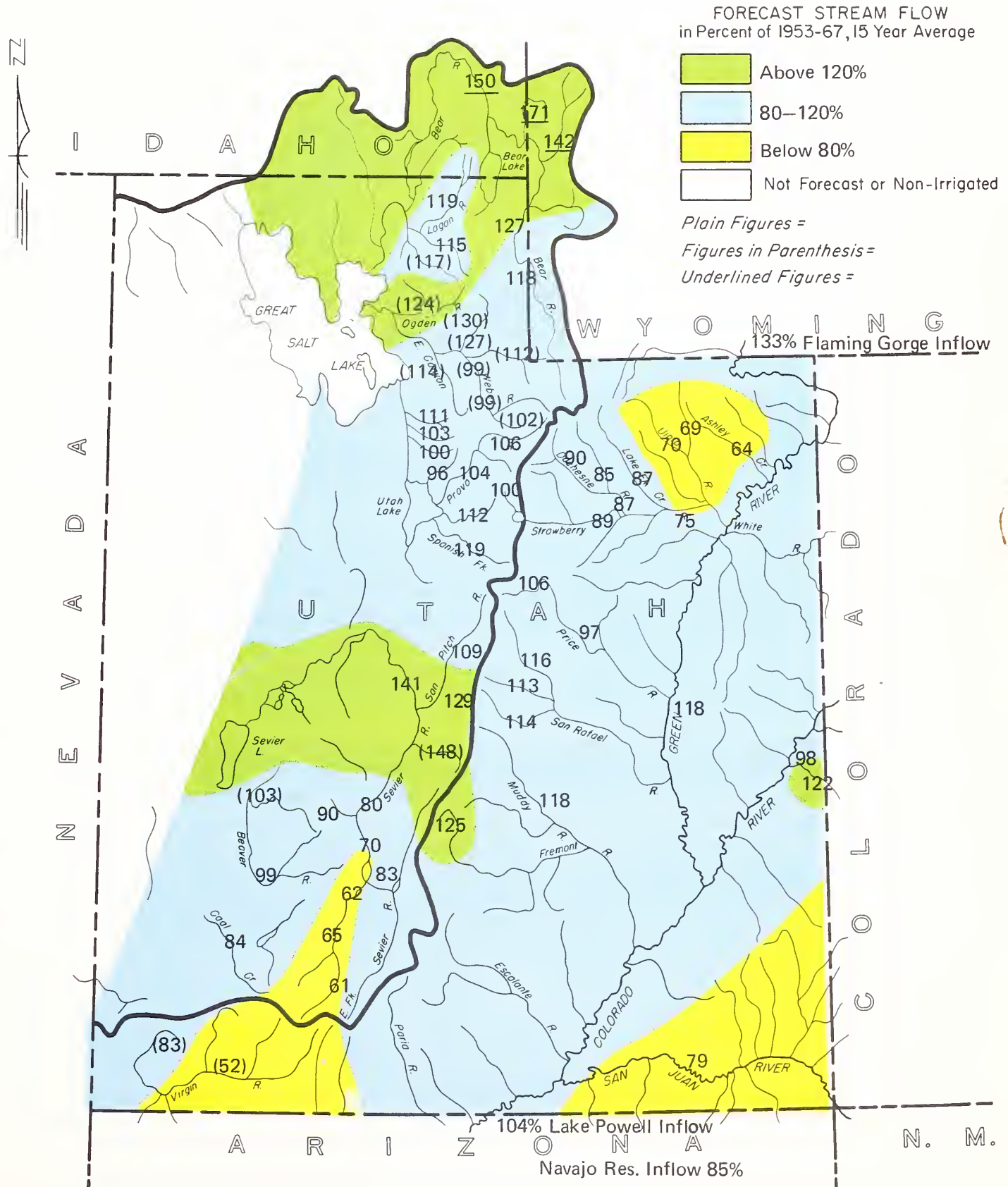


# PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

April 1, 1974

Approximate Date







# WATER SUPPLY OUTLOOK

as of  
April 1, 1974

\* \* \* \* \*  
\* Utah's 1974 Water Supply Outlook ranges from below average \*  
\* in Uintah Basin and southern Utah to above average on the \*  
\* Lower Bear and Lower Sevier Rivers. Snow cover ranges from \*  
\* 54% to 144% of the April 1 average. Reservoir storage is \*  
\* 132% of average and streamflow forecasts range from 52% to \*  
\* 171% of average. \*  
\* \* \* \* \*

## SNOW COVER

Snow cover now ranges from 54% of average on Ashley Creek to 144% on Salina Creek. Most snow courses again received less than average increases in water content and many showed much above average melt due to a dry, warm March.

## PRECIPITATION

Mountain precipitation stations showed well below average catch during March except on the Lower Bear Watershed and one station in the Ogden Basin.

## SOIL MOISTURE

Watershed soils are generally near average moisture at higher elevations but are beginning to dry out below the snow line.

## RESERVOIR STORAGE

Storage in 24 reservoirs (excluding Colorado project reservoirs) is 132% of the April 1 average for the 1958-72 15 year period and about 85% of usable capacity.

## STREAMFLOW FORECASTS

Forecasts of spring and summer streamflow ranges from 52% of average on the Virgin River to 171% of average on Thomas Fork of the Lower Bear River. The Sevier at Hatch is now forecast at 61% of average and other areas expecting less than average are in Uintah Basin, Coal Creek, Beaver River, and all of the Upper Sevier. These areas are expected to have some water supply shortages late in the season unless above average precipitation occurs during the runoff season. All other areas are expected to have adequate or better water supplies.



# WATER SUPPLY OUTLOOK

## BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



APRIL 1, 1974

THE WATER SUPPLY OUTLOOK IS AVERAGE TO ABOVE AVERAGE

SNOW COVER ranges from 110% of average on the Upper Bear to 117% on the Logan River.

PRECIPITATION at mountain stations ranged from 56% to 167% of average from South to North in the basin.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is 112% of average and 3% better than last April 1.

STREAMFLOW FORECASTS range from 112% of the April-July average on the Bear at Utah-Wyoming State Line to 171% of average on Thomas Fork. The Bear at Harer, Idaho is forecast 150% of the April-September average and Logan River is 119% of the April-July average. All water users in the area are expected to have adequate or better water supplies this season.

BEAR RIVER BASIN in UTAH

**STREAMFLOW FORECASTS**

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST Thousand Acres Feet	Percent of Average		THOUSAND ACRES FEET	
				Last Year	Average †
<u>BEAR RIVER</u>					
Bear at Harer, Idaho <sup>1</sup>	406	150	Apr-Sept	- -	271
Bear nr Randolph	130	127	Apr-July	133	102
Bear nr Ut-Wyo. State Line	125	112	Apr-July	104	112
Bear nr Woodruff	153	118	Apr-July	149	130
Big Crk nr Randolph, Utah	7.0	167	Apr-July	- -	4.2b
Blacksmith Fork nr Hyrum	55	115	Apr-July	- -	48
Little Bear nr Paradise	40	117	Apr-June	44	34
Logan nr Logan <sup>1</sup>	135	119	Apr-July	90	113
Smith's Fork nr Border, Wyo.	165	142	Apr-Sept	88	116
Thomas Fork nr Ut-Wyo Border	55	171	Apr-Sept	30	32
Woodruff Crk nr Woodruff, Ut	18.5	120	Apr-July	- -	15.4

1 - Observed flow corrected for change in storage and diversions  
b - Average of all past record - less than 15 years

**SUMMARY of SNOW MEASUREMENTS**

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
<u>UPPER BEAR RIVER</u>	11	130	110
<u>LOWER BEAR RIVER</u>	19	116	118
<u>LOGAN RIVER</u>	6	150	117

**RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>BEAR RIVER</u>	Bear Lake	1421.0	1097.3	1064.4	976.4
	Woodruff Narrows	26.5	21.5	26.5	24.5
<u>LITTLE BEAR</u>	Hyrum	15.3	11.1	10.6	12.9
	Porcupine	11.3	7.3	4.1	4.9

**PEAK FLOWS**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Big Creek nr Randolph	50-90	41b
Little Bear nr Paradise	400-550	473
Logan River near Logan	1100-1300	984
Woodruff Creek nr Woodruff	200-380	240

+ - 1958-72 15 year average period

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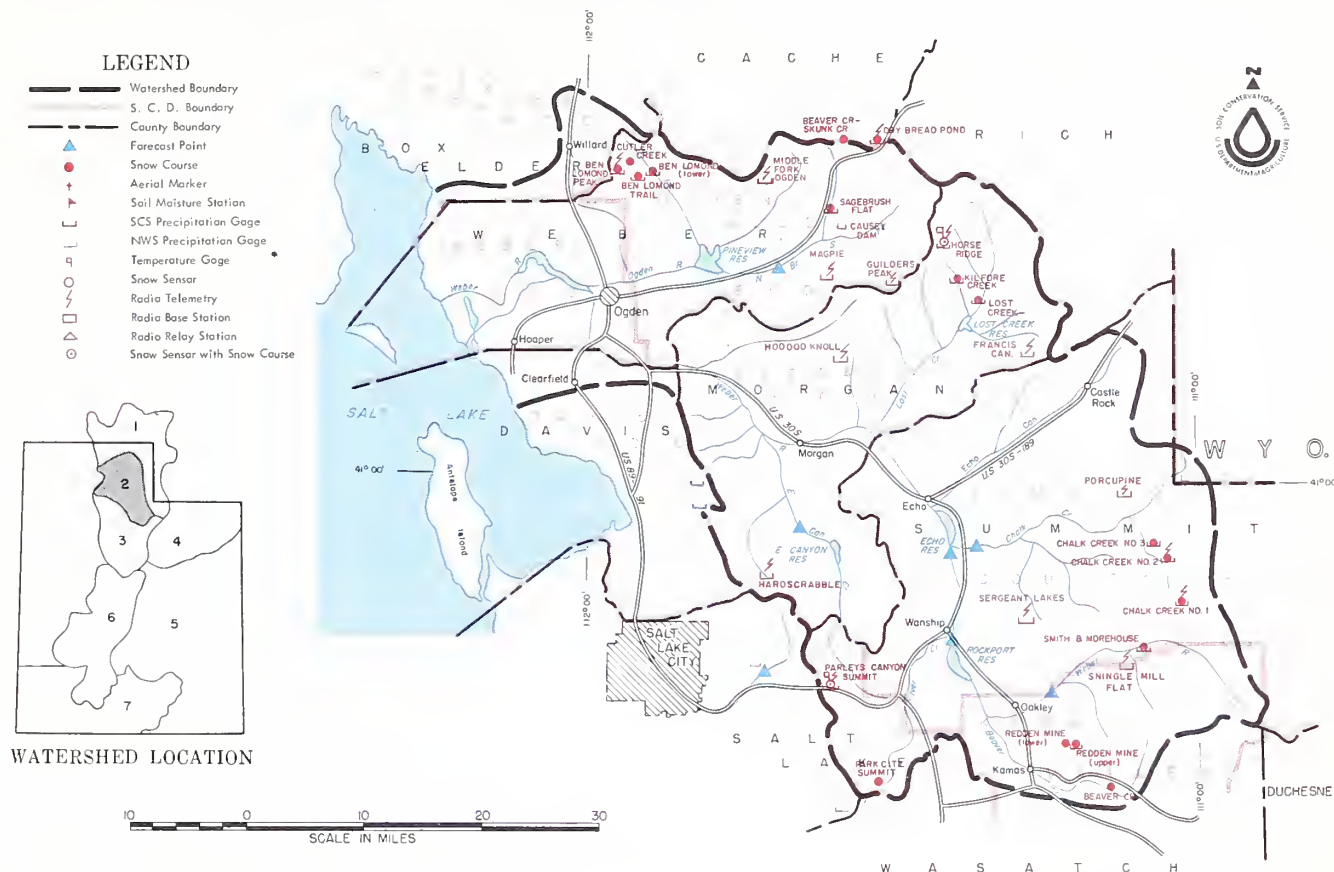
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# WATER SUPPLY OUTLOOK

## WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



APRIL 1, 1974

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER receded during a dry March and is now 100% of the April 1 average on the Weber and 101% on the Ogden.

PRECIPITATION at mountain locations ranged from 62% of average on Lost Creek to 119% on the North Fork Ogden during March.

SOIL MOISTURE is average or better after most March snow melt soaked into the soils.

RESERVOIR STORAGE is 149% of average on the Ogden and 131% on the Weber River.

STREAMFLOW FORECASTS were reduced by a dry month and now range from 99% of average for the Weber at Coalville to 130% of average on the South Fork Ogden. Water users in this area can expect average water supplies from direct flow diversions to better than average from reservoir storage.



WEBER-OGDEN WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>WEBER-OGDEN RIVERS</u>					
Chalk Crk at Coalville	36	112	Apr-June	- -	32
East Canyon Crk nr Morgan <sup>1</sup>	25	114	Apr-June	34	22
Hardscrabble Crk nr Porterville	16.0	111	Apr-June	- -	14.4b
Lost Crk nr Croydon, Utah	17.0	127	Apr-June	16.5	13.7
Pineview Reservoir Inflow <sup>2</sup>	127	124	Apr-June	- -	102
South Fork Ogden nr Huntsville	65	130	Apr-June	- -	50
Rockport Reservoir Inflow <sup>1</sup>	109	99	Apr-June	105	110
Weber nr Coalville <sup>1</sup>	110	99	Apr-June	- -	111
Weber nr Oakley	102	102	Apr-June	- -	100
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation b - Average of all past record - less than 15 years					

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average †
<u>OGDEN RIVER</u>	6	63	101
<u>WEBER RIVER</u>	11	95	100

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>OGDEN</u>	Causey	6.9	0.5	2.8	2.8
	Pineview	110.1	70.2	35.9	44.7
<u>WEBER</u>	East Canyon	48.1	41.1	39.6	21.0
	Echo	73.9	51.6	43.2	45.7
	Lost Creek	20.0	14.0	15.7	12.0
	Rockport	60.9	53.2	25.3	27.1
	Willard Bay	193.3	158.7	167.6	136.5

+ - 1958-72 15 year average period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Lost Creek near Croydon	210-350	206b
South Fork Ogden nr Huntsville	650-1000	697
Chalk Creek near Coalville	350-650	373

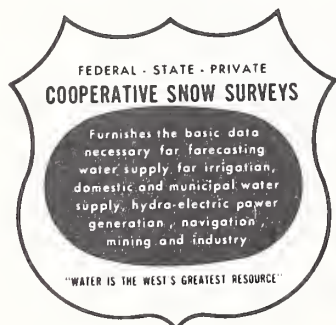
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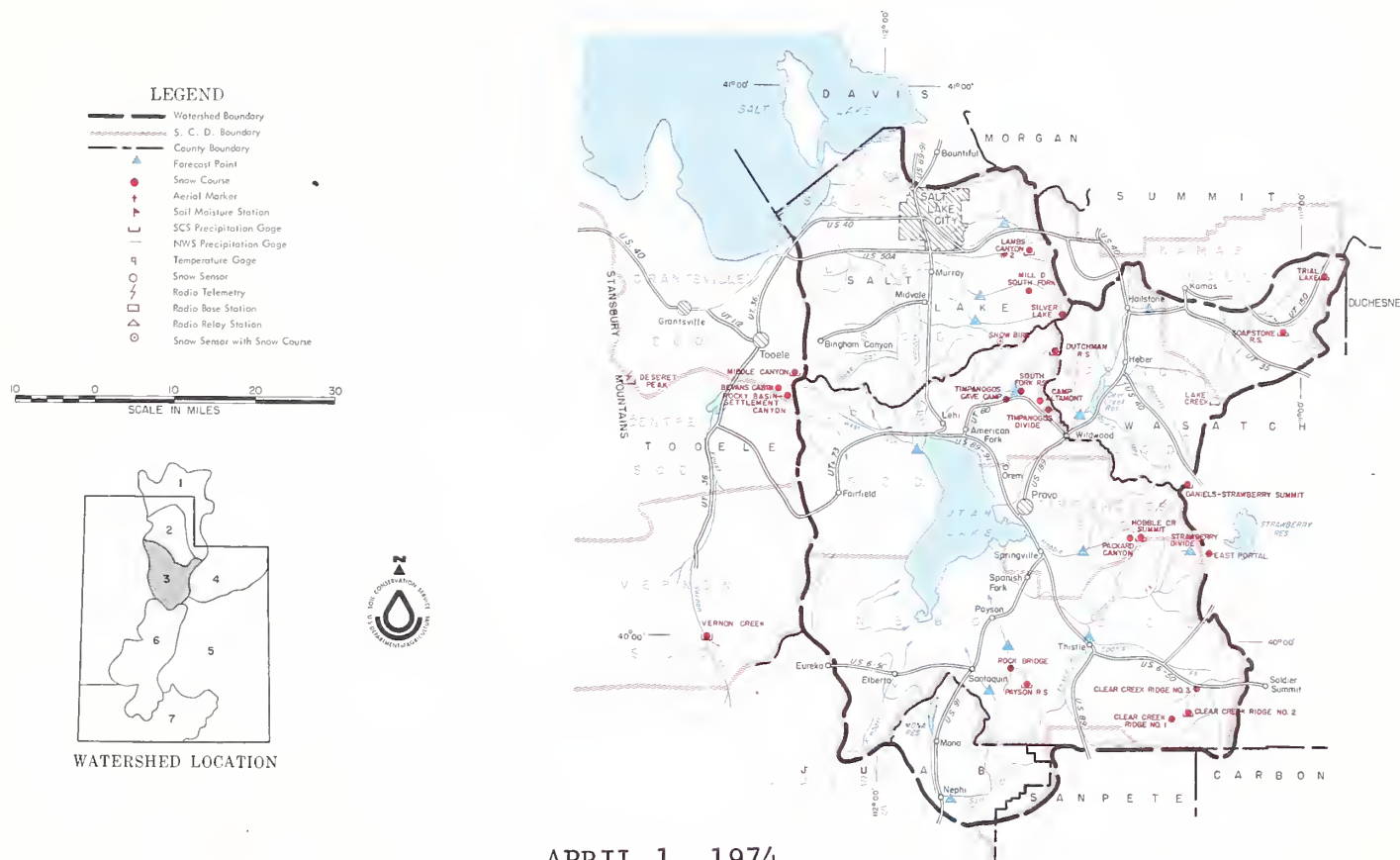


"The Conservation of Water begins with the Snow Survey"

# WATER SUPPLY OUTLOOK

## UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



### THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER has dropped to 85% of average on Utah Lake watersheds, 103% on watersheds above Salt Lake and 104% on Tooele Valley watersheds. Snow courses received much less than average March increases and many lost water content.

PRECIPITATION at mountain stations ranged from 36% of the March average on Spanish Fork and Hobbie Creek to 86% in Middle Canyon above Tooele.

SOIL MOISTURE is near average at higher elevations but drying out below the snow line.

RESERVOIR STORAGE is well above average.

STREAMFLOW FORECASTS dropped due to a dry March and now range from 71% of average on Vernon Creek to 119% on Spanish Fork. Strawberry Inflow is now expected to be average (100%) and Provo near Hailstone 106% and 104% below Deer Creek Dam. Forecasts on streams above Salt Lake range from 100% for Little Cottonwood to 111% for Parley's Creek. Settlement Canyon Creek is expected to produce about 91% of its April-July average. Adequate water supplies are expected for this area.

Report prepared by  
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UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average +
<b>PROVO RIVER &amp; UTAH LAKE</b>					
American Fork nr American Frk	28	96	Apr-July	- -	29
Hobble Creek nr Springville	18.0	112	Apr-July	- -	16
Provo nr Hailstone <sup>1</sup>	108	106	Apr-July	- -	102
Provo below Deer Creek Dam <sup>1</sup>	115	104	Apr-July	- -	111
Spanish Fork at Thistle	38	119	Apr-July	- -	32
Strawberry Reservoir Inflow <sup>1</sup>	45	100	Apr-July	- -	45
Utah Lake Inflow	240	115	Apr-July	370	208
Payson Creek nr Payson	Delayed		Apr-July	- -	6.3 <sup>b</sup>
<b>JORDAN RIVER &amp; SALT LAKE</b>					
Big Cottonwood nr SLC	35	103	Apr-July	- -	36
Farmington Crk nr Farmington	8.5	109	Apr-July	- -	7.8 <sup>b</sup>
Little Cottonwood Crk nr SLC	35	100	Apr-July	- -	35
Parley's Creek nr SLC	13.0	111	Apr-July	- -	11.7
<b>TOOELE VALLEY</b>					
Settlement Creek nr Tooele	2.0	91	Apr-July	- -	2.2 <sup>b</sup>
Vernon Creek nr Vernon	0.5	71	Apr-July	- -	0.7 <sup>b</sup>

1 - Observed flow corrected for change in storage and diversions

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PROVO RIVER & UTAH LAKE	12	68	85
JORDAN RIVER	4	96	103
TOOELE VALLEY	3	50	104

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
SPANISH FORK	Strawberry	270.0	217.1	184.9	119.2
UTAH LAKE	Utah Lake	883.9	900.1	827.3	642.3
PROVO	Deer Creek	149.7	120.7	111.2	95.8
SETTLEMENT CRK	Settlement Creek	1.2	- -	- -	- -

+ - 1958-72 Average

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Hobble Creek near Springville	100-300	210
Spanish Fork near Thistle	300-500	365

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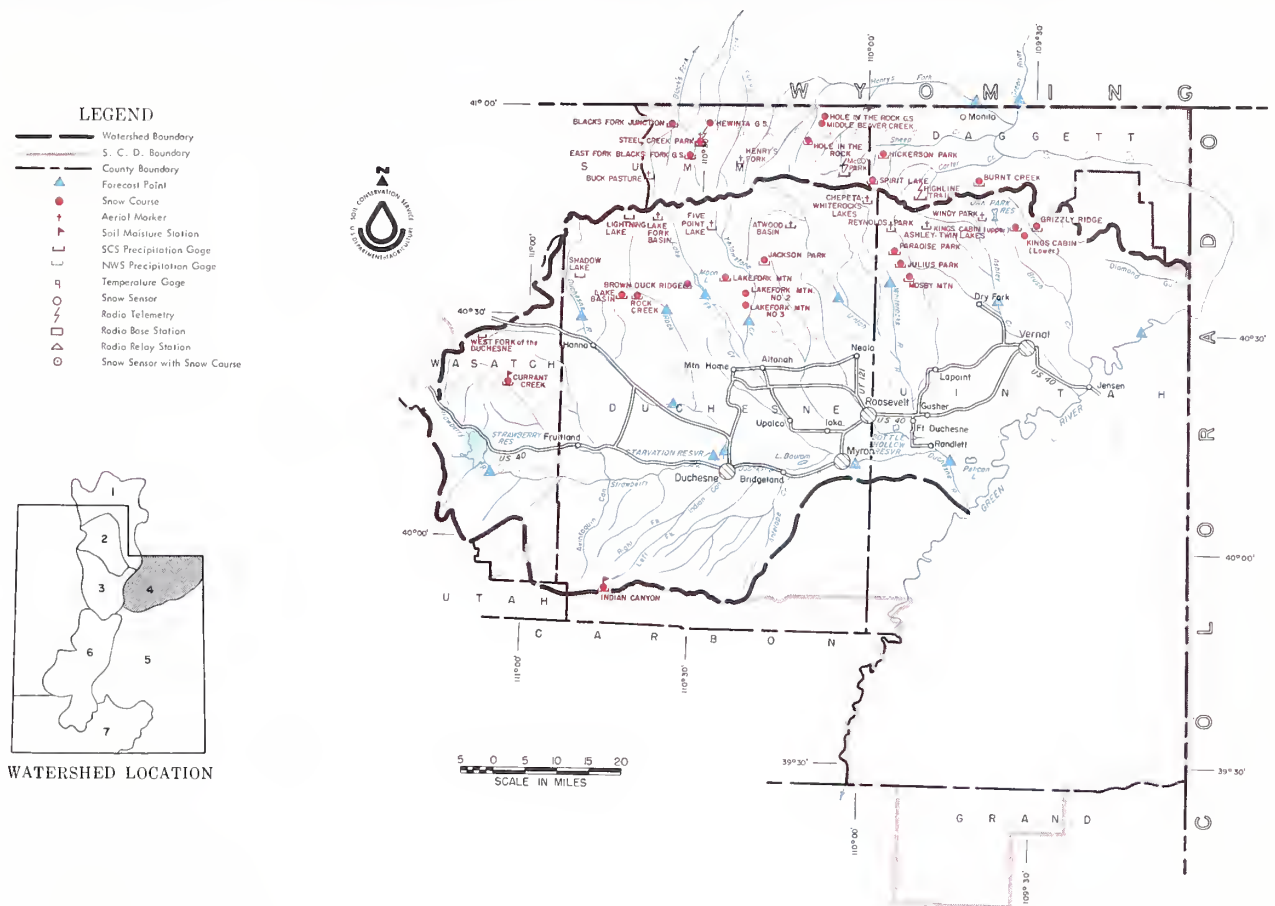
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# WATER SUPPLY OUTLOOK

## UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



APRIL 1, 1974

### THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER ranges from 54% of average on Ashley-Brush Creeks to 93% on Strawberry River. High elevation aerial marker readings were delayed by poor weather around April 1. Most snow courses had well below average increases during a dry March.

PRECIPITATION at mountain locations was only 50 to 86% of average.

SOIL MOISTURE is near average on the Upper Duchesne and Strawberry but below average on other watersheds in the Uintah Basin and at lower elevations.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 64% of average on Ashley Creek to 133% for Flaming Gorge Inflow. Other streams in Uintah Basin range from East to West 69% on Whiterocks to 90% on the Duchesne at Tabiona. Water users in this area depending on natural flow are expected to have late season shortages. Those with reservoir storage will have an adequate supply.

Report prepared by  
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UINTAH BASIN and DAGGETT SCD's in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST Thousand Acre Feet	Percent of Average		THOUSAND ACRE FEET	
				Last Year	Average +
<b>DUCHESNE RIVER</b>					
Duchesne nr Tabiona <sup>1</sup>	94	90	Apr-July	- -	104
Duchesne at Duchesne <sup>1</sup>	161	87	Apr-July	- -	185
Duchesne at Myton <sup>1</sup>	154	75	Apr-July	- -	205
Duchesne at Randlett <sup>1</sup>	172	78	Apr-July	- -	220
Lakefork below Moon Lake <sup>1</sup>	56	81	Apr-July	- -	69
Rock Crk nr Mtn. Home	80	85	Apr-July	- -	94
Strawberry at Duchesne	50	89	Apr-July	- -	56
Uinta nr Neola	62	70	Apr-July	- -	88
Whiterocks nr Whiterock	40	69	Apr-July	- -	58
Yellowstone nr Altonah	46	71	Apr-July	- -	65
<b>FLAMING GORGE TO DUCHESNE RIVER</b>					
Ashley Creek nr Vernal	32	64	Apr-July	- -	50
Henry's Fork at Linwood	40	89	Apr-Sept	- -	45
Flaming Gorge Inflow <sup>1</sup>	1566	133	Apr-July	- -	1174

1 - Observed flow corrected for change in storage and diversions

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
DUCHESNE RIVER	11	63	72
STRAWBERRY RIVER	3	84	93
LAKEFORK-YELLOWSTONE	3	45	55
UINTAH-WHITEROCKS	2	58	61
ASHLEY-BRUSH CREEKS	2	40	54

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
ASHLEY CREEK	Steinaker	33.3	29.2	29.5	22.3
GREEN RIVER	Flaming Gorge	3749.0	3087.0	2894.0	1588.0
LAKE FORK	Moon Lake	35.8	25.4	19.8	19.2
STRAWBERRY	Starvation	165.3	120.3	123.5	- -
UINTAH	Bottle Hollow	11.3	9.3	11.0	- -

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Ashley Creek near Vernal	400-800	906
Strawberry at Duchesne	300-750	628

+ - 1958-72 15 year average period

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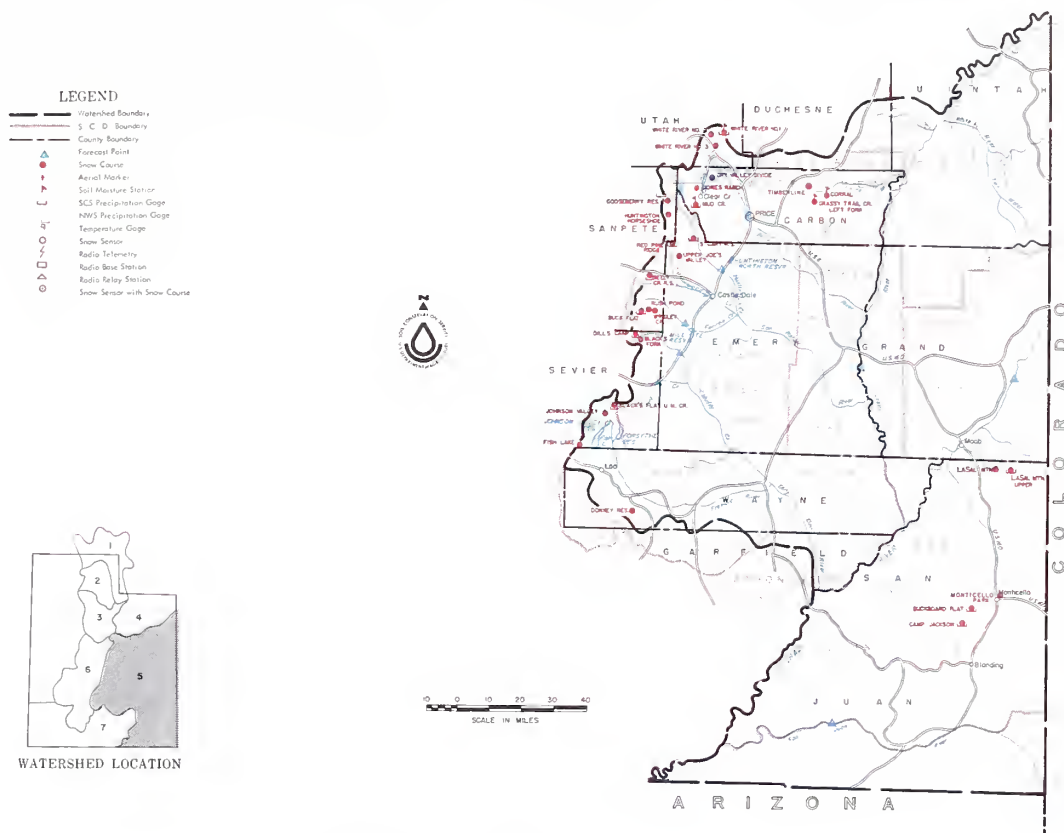
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# WATER SUPPLY OUTLOOK

## CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



APRIL 1, 1974

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 70% of the April 1 average on the San Juan River to 102% on Mill Creek near Moab. Price River is 83% and San Rafael is 100% of average. A dry month caused most snow courses to show a loss instead of the usual increase.

PRECIPITATION at mountain locations ranged from 20% of the March average on the LaSals to 63% on the Upper Fremont River.

SOIL MOISTURE is near average at high elevations but drying out rapidly at lower elevations.

RESERVOIR STORAGE is well above average.

STREAMFLOW FORECASTS have been reduced due to a drier than average March and now range from 79% of average on the San Juan to 125% on the Fremont River. Scofield Inflow is expected to be 106% of the April-July average and Ferron Creek 114% of the April-July average. The Colorado at Cisco is forecast at 98% of average and the Green at Green River is 118% of the April-July average.

## CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST Thousand Acre Feet	Percent of Average		THOUSAND ACRE FEET	
				Last Year	Average †
<b>PRICE RIVER</b>					
Gooseberry Crk nr Scofield	11.1	111	Apr-July	- -	10.0
Price nr Heiner <sup>1</sup>	62	97	Apr-July	- -	64b
Scofield Reservoir Inflow	36	106	Apr-July	46	34
<b>SAN RAFAEL RIVER</b>					
Cottonwood Crk nr Orangeville	52	113	Apr-July	60	46b
Ferron Crk nr Ferron	40	114	Apr-July	- -	35
Huntington Crk nr Huntington	52	116	Apr-July	- -	45
<b>MUDDY RIVER</b>					
Muddy Creek nr Emery	20	118	Apr-July	- -	17.0
<b>UPPER COLORADO BASIN</b>					
Colorado nr Cisco, Utah	2774	98	Apr-July	- -	2835
Green at Green River, Utah	3359	118	Apr-July	- -	2839
Navajo Reservoir Inflow	505	85	Apr-July	- -	597
San Juan nr Bluff, Utah	674	79	Apr-July	- -	853
Mill Creek nr Moab	6.0	122	Apr-July	- -	4.9
<b>FREMONT RIVER</b>					
Seven Mile Crk nr Fish Lake	8.0	125	Apr-July	- -	6.4b

1 - Observed flow corrected for change in storage and diversions

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Useable Capacity	Useable Storage		
			This Year	Last Year	Average †
<b>PRICE RIVER</b>	Scofield	65.8	45.5	24.6	31.0
<b>SAN RAFAEL</b>	Huntington North	3.9	3.7	3.9	2.9
	Joe's Valley	54.6	47.0	37.0	32.9
	Mill Site	16.7	6.1	5.3	- -
<b>SAN JUAN</b>	Navajo	1696.0	985.5	972.8	- -

+ - 1958-72 15 year average period

b - Average of all past record - less than 15 years

## SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
<b>PRICE RIVER</b>	7	66	83
<b>MILL CREEK</b>	2	73	102
<b>SAN JUAN RIVER</b>	2	40	70
<b>SAN RAFAEL RIVER</b>	8	86	100

## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Ferron Creek near Ferron	300-550	419
Muddy Creek near Emery	100-250	157

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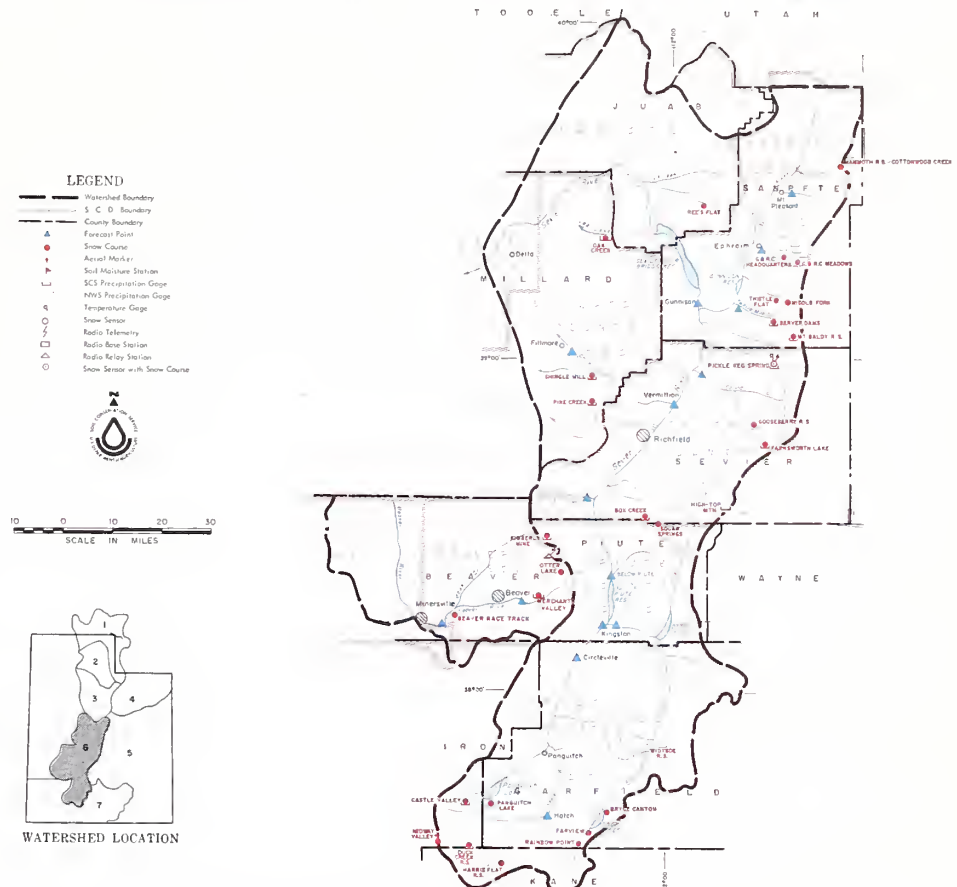


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# WATER SUPPLY OUTLOOK

## SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



APRIL 1, 1974

THE WATER SUPPLY OUTLOOK-RANGES FROM BELOW AVERAGE  
ON THE UPPER SEVIER TO ABOVE AVERAGE ON THE LOWER SEVIER

SNOW COVER ranges from 66% of the April 1 average on the South Fork to 134% of average on Chalk Creek. The East Fork is 83% and Beaver River is 102% of average. Most snow did not get the usual March increases and those on the Upper Sevier lost several inches of water during March.

PRECIPITATION at mountain locations ranged from 50 to 80% of the March average.

SOIL MOISTURE is near average at high elevations but lower soils are drying out at lower elevations.

RESERVOIR STORAGE is well above average. Sevier Basin storage is now 173% of the April 1 average and Minersville is 167% of average.

STREAMFLOW FORECASTS range from 61% of average for the April-July period at Hatch to 148% on Salina Creek. Chalk Creek is expected to be 128% of average and Beaver River is 99% of its April-July average for the 1958-72 period. Some late season shortages are expected for users of direct streamflow on the Upper Sevier. Other areas are expected to have adequate water supplies.



## SEVIER RIVER BASIN including BEAVER RIVER in UTAH

## STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average +
<u>SEVIER RIVER</u>					
Chalk Creek nr Fillmore	19.8	128	Apr-July	- -	15.5b
Clear Crk nr Sevier (abv Div.)	13.5	90	Apr-July	- -	15.0
East Fork Sevier nr Kingston <sup>1</sup>	12.0	83	Apr-July	56	14.4
Antimony Crk nr Antimony Inflow	6.5	83	Apr-July	- -	7.3
Kingston to Vermillion Dam	40	80	Apr-June	- -	50
Vermillion Dam to Gunnison	55	141	Mar-June	- -	39
Salina Crk at Salina	12.0	148	Apr-June	- -	8.1b
Sevier nr Circleville	18.2	65	Apr-July	- -	28
Sevier nr Gunnison	55	141	Apr-July	154	39
Sevier at Hatch	25	61	Apr-July	78	41
Sevier nr Kingston	13.0	62	Apr-July	- -	21
Sevier below Piute Dam <sup>1</sup>	23	70	Apr-July	- -	33
<u>SAN PITCH RIVER</u>					
Ephraim Crk nr Ephraim	18	129	Apr-July	- -	13.9b
Pleasant Crk nr Mt. Pleasant	8.5	109	Apr-July	- -	7.8
<u>BEAVER RIVER</u>					
Beaver nr Beaver	19.8	99	Apr-July	38	20
Minersville Reservoir Inflow <sup>1</sup>	6.0	103	Apr-June	- -	5.8

## SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER SEVIER	12	39	73
EAST FORK SEVIER	6	43	83
SOUTH FORK SEVIER	6	36	66
LOWER SEVIER	12	90	122
CHALK CREEK	2	58	134
BEAVER RIVER	3	69	102

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
<b>SEVIER RIVER</b>	Gunnison	18.2	18.2	18.1	14.9
	Otter Creek	52.5	50.2	34.3	34.0
	Piute	71.8	65.5	56.2	46.8
	Sevier Bridge	236.0	233.4	142.7	116.1
<b>BEAVER RIVER</b>	Minersville (Rdy Fd)	23.3	23.9	13.5	14.3

## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Beaver near Beaver	125-275	212
Clear Creek near Sevier	140-200	170
Salina Creek near Salina	240-300	235
Sevier River at Hatch	100-300	418
Sevier River at Circleville	130-342	304
Sevier River at Kingston	110-200	263

## PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period <sup>†</sup>	Forecast Period
<b>SEVIER RIVER</b>			
Below Vermillion Dam	60	55	April-Sept.
Circle Valley	60	65	April-Sept.
Panguitch Valley	78	82	April-Sept.
Sevier Valley	35	38	April-Sept.

## FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Crk nr Sevier (Abv Div.)	5	July 10	July 28
Salina Crk at Salina	25	June 12	June 10
Sevier at Circleville	90	June 2	June 24
Sevier at Hatch (upper)	100	June 10	July 10

- 1 - Observed flow corrected for change in storage and diversions  
b - Average of all past record - less than 15 years  
+ - 1958-72 Average

Inflow to Sevier Bridge Reservoir October 1 to March 31 was about 135,000 acre-feet after a heavy March flow from lower elevations.

Below Vermillion - Flow above 360 second feet should total about 3500-4000 acre-feet.

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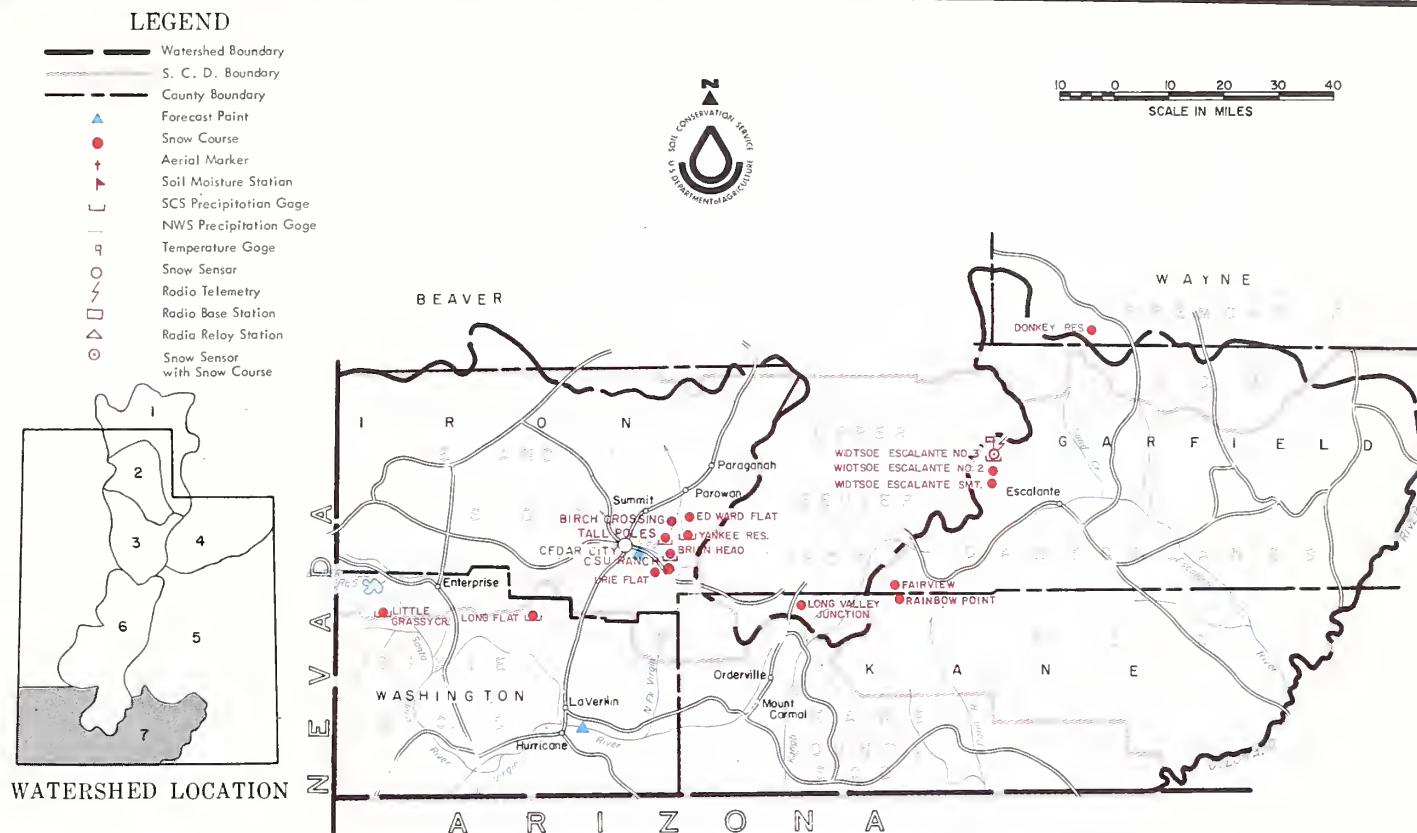
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# WATER SUPPLY OUTLOOK

## EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



APRIL 1, 1974

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER ranges from 66% of average on Coal Creek to 94% on Parowan Creek. The Virgin River is now 76% of average after a very dry March. Most snow courses lost moisture during the month.

PRECIPITATION at mountain stations was well below average during March.

SOIL MOISTURE is near average at high elevation. Lower areas soaked up melting snow during March.

RESERVOIR STORAGE in Lake Powell is now 17,935,000 acre-feet or a gain of 338,000 acre-feet during March.

STREAMFLOW FORECASTS have dropped due to a dry March and now range from 52% of the April-June average on the Virgin to 104% of the April-July average for the inflow to Lake Powell. Coal Creek is forecast at 84% and the Santa Clara 83% of average. Some late season shortages are expected for water users depending on direct flow from streams in this area.



## STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
BASIN, STREAM and/or FORECAST POINT					
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	25	52	Apr-June	- -	48b
Santa Clara nr Pine Valley	3.0	83	Apr-June	- -	3.6b
<u>COAL CREEK</u>					
Coal Creek nr Cedar City	13.5	84	Apr-July	- -	16.1
<u>UPPER COLORADO</u>					
Lake Powell Inflow	7175	104	Apr-July	- -	6881
b - Average of all past records - less than 15 years					

## SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Gauges Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
<u>COAL CREEK</u>	3	34	66
<u>PAROWAN CREEK</u>	2	41	94
<u>VIRGIN RIVER</u>	2	31	76

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
COLORADO	Lake Powell	25002.0	17935.0	11966.0	8462.1
	Blue Mesa	829.5	269.2	308.9	- -

## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Coal Creek	125-375	245
Virgin River	400-650	631b

+ - 1958-72 15 year average period

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## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)						
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE			
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average	
GREAT BASIN												
UPPER BEAR RIVER (Above Harer, Idaho)												
Big Park	3/30	69	23.6	16.4	21.2							
Burts-Miller Ranch	3/26	19	7.0	6.1	6.1	3/26	- -	- -	10.95	9.03a	121	
CCC Camp	3/28	43	14.8	11.2	12.2							
Gold Hill*	4/4	Data Not Available from USU										
Hayden Fork	3/26	43	15.6	12.4	16.0b	3/26	- -	- -	21.60	20.48a	105	
Kelly Ranger Station*	3/30	60	21.4	15.8	18.9	4/4	Data Not Available from USU					
LeBarge Guard Station	3/26	101	36.3	18.0	- -							
Lily Lake*	4/4	Data Not Available from USU										
Monte Cristo Ranger Station	3/30	69	28.4	24.4	25.6	3/30	4.10	4.73b	31.45	27.62b	114	
Piney-LaBarge #2	3/26	74	25.8	24.4	23.8							
Poison Meadows	3/26	102	35.3	22.9	30.8							
Salt River Summit	3/28	55	18.4	13.9	16.2	3/28	4.30	2.57	18.70	16.74	112	
Snyder Basin	3/26	55	18.2	12.5	16.6							
Stillwater Camp	3/26	31	10.8	8.6	11.0	3/26	- -	- -	14.40	12.01	120	
LOWER BEAR RIVER (Below Harer, Idaho)												
Bug Lake*	4/4	Data Not Available from USU										
Christensen Ranch	3/25	21	8.5	10.6	7.1							
Cinnamon Creek*	4/4	Data Not Available from USU										
Clarkston Mountain*	4/4	Data Not Available from USU										
Cub River Ranger Station	3/27	22	9.5	9.0	6.1							
Curtis Creek*	4/4	Data Not Available from USU										
Dry Basin	3/27	83	32.9	27.4	- -							
Dry Creek Flat	3/26	12	5.9	13.9	3.3							
Deer Springs*	4/4	Data Not Available from USU										
Emigrant Summit	3/25	72	29.4	22.6	25.4							
Emigration Canyon	3/25	25	9.2	10.6	10.7							
Franklin Basin*	4/1	84	33.9	21.2	28.6	4/4	Data Not Available from USU					
Garden City Summit	4/1	52	20.2	15.1	18.7	4/1	4.15	3.04b	21.30	19.72b	108	
George Peak*	4/4	Data Not Available from USU										
Hardware Ranch*	4/4	Data Not Available from USU										
Hells Canyon*	4/4	Data Not Available from USU										
Herd Hollow*	4/4	Data Not Available from USU										
Horseshoe Basin	3/27	70	28.2	24.9	- -							
Hyrum Dam*	4/4	Data Not Available from USU										
Klondike Narrows*	4/1	58	23.9	17.8	20.7	4/4	Data Not Available from USU					
Liberty Spring	3/27	116	46.7	32.6	36.8a							
Little Bear (lower)	4/2	30	10.4	16.6	8.9							
Little Bear (upper)*	4/2	42	14.7	20.2	11.6	4/4	Data Not Available from USU					
Oxford Mountain	3/26	20	8.0	12.2	8.2							
Slug Creek Divide	3/27	42	15.0	16.5	16.7							
Steep Hollow #1	4/1	112	46.8	28.0	38.4b							
Steep Hollow #2	4/1	82	32.8	20.4	27.1							
Strawberry Creek	3/25	32	12.6	13.9	10.0							
Strawberry Mink Divide	3/25	59	24.9	24.2	21.5							
Tony Grove Lake*	4/4	Data Not Available from USU										
Tony Grove Ranger Station*	4/1	25	11.1	9.7	10.4	4/4	Data Not Available from USU					
Trigara Springs	4/4	Data Not Available from USU										
Willow Flat	3/27	42	17.0	15.0	13.3	3/27	3.30	3.78b	27.78	22.80b	122	
OGDEN RIVER												
Beaver Creek-Skunk Creek	3/30	26	11.2	15.4	11.5							
Ben Lomond (lower)	3/31	35	15.3	27.7	14.5	3/31	4.15	3.48	20.89	24.73	84	
Ben Lomond Peak*	3/31	81	35.0	52.6	34.9	4/4	Data Not Available from USU					
Ben Lomond Trail	3/31	36	15.5	30.5	14.8b							
Causey Dam						3/30	1.95	2.28a	16.94	14.31a	118	
Cutler Creek	3/31	64	29.8	41.8	25.7b							
Dry Bread Pond	3/30	50	19.6	20.4	17.9	3/30	2.65	3.56b	20.10	20.77b	97	
Guilder's Peak*	4/4	Data Not Available from USU										
Magpie*	4/4	Data Not Available from USU										
Middle Fork Ogden*	4/4	Data Not Available from USU										
Powder Mountain Hideaway	3/26	85	34.3	- -	- -							
Powder Mountain Sundown	3/26	76	30.4	- -	- -							
Sagebrush Flat	3/30	0	0.0	5.8	1.6	3/30	2.10	2.28b	15.26	14.32b	107	

## SNOW

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)							
	DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE			
					Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average	
WEBER RIVER													
Beaver Creek Ranger Station	3/24	14	6.1	8.9	7.2								
Chalk Creek #1	3/26	66	24.0	21.4	22.7								
Chalk Creek #2*	3/26	44	15.2	14.4	14.9	4/4	Data Not Available from USU						
Chalk Creek #3	3/26	16	6.4	8.6	7.4	3/26	2.35	2.59a	15.04	12.12a	124		
Farmington Canyon (lower)**	3/28	--	21.0a	28.8	22.2								
Farmington Canyon (upper)**	3/28	--	31.2a	34.1	29.5								
Farmington Guard Station						4/3	Not Measured						
Francis Canyon*	4/4	Data	Not Available	from USU									
Hardscrabble*	4/4	Data	Not Available	from USU									
HooDoo Knoll*	4/4	Data	Not Available	from USU									
Horse Ridge**	3/28	--	28.4a	20.6	22.8								
Park City Summit	4/3	114	38.8	37.8	- -								
Parley's Canyon Summit	3/29	50	18.9	19.2	17.9	3/29	2.53a	3.86	23.66	22.02	107		
Porcupine*	4/4	Data	Not Available	from USU									
Redden Mine (lower)	3/26	39	14.7	17.7	17.7								
Redden Mine (upper)	3/26	44	17.8	20.4	19.6	3/26	2.15	3.71a	22.43	19.97a	112		
Sargeant Lakes*	4/4	Data	Not Available	from USU									
Shingle Mill Flat*	4/4	Data	Not Available	from USU									
Smith & Morehouse	3/24	30	11.3	11.1	12.6	3/24	2.08	3.15	18.71	18.09	103		
PROVO RIVER & UTAH LAKE													
Camp Altamont	3/28	19	7.8	19.3	13.1								
Clear Creek Ridge #1	3/26	45	18.8	21.0	18.0								
Clear Creek Ridge #2	3/26	39	14.3	15.7	13.2	3/26	1.00	2.78	- -	15.30	- -		
Clear Creek Ridge #3	3/26	7	2.9	8.8	5.5								
Dutchman Ranger Station	3/28	26	12.0	21.4	16.1	3/28	1.55	3.13b	14.83	20.95b	71		
Hobble Creek Summit	3/27	25	11.5	16.8	12.4	3/27	1.00	2.78	17.25	16.66	104		
Packard Canyon	3/27	15	6.6	12.9	8.2								
Payson Ranger Station	4/4	Measured	Delayed										
Rock Bridge	4/4	Measured	Delayed										
Soapstone Ranger Station	3/24	28	11.4	9.6	12.0	3/24	1.25	2.47	16.78	15.69	107		
South Fork Ranger Station	3/28	0	0.0	11.4	2.9								
Timpanogos Cave Camp	3/28	0	0.0	0.0	.8								
Timpanogos Divide	3/28	44	17.0	28.2	22.5	3/28	2.30	- -	17.45	- -	- -		
Trial Lake	3/24	70	25.9	23.1	25.6	3/24	2.10	3.76	23.26	23.02	101		
East Shingle Lake	3/26	75	27.8	- -	- -								
JORDAN RIVER & SALT LAKE													
Bevan's Cabin	3/27	29	11.6	27.4	10.0								
Lamb's Canyon	3/28	41	16.1	15.6	14.6								
Lamb's Canyon #2	3/28	39	15.4	16.9	14.5	3/29	2.79a	- -	18.11	- -	- -		
Middle Canyon - Tooele	4/1	32	13.2	24.7	13.0	3/31	2.75	3.23b	- -	16.65b	- -		
Mill Creek	4/4	Measurement	Not Taken										
Mill D South Fork	3/27	45	20.6	20.8	19.4								
Rocky Basin - Settlement Cyn	4/1	63	25.5	47.4	25.3	4/1	2.23	- -	20.57	- -	- -		
Silver Lake (Brighton)	3/27	59	23.8	26.1	24.8								
Vernon Creek	3/31	14	4.9	20.0	- -	3/31	1.25	- -	10.69	- -	- -		
UPPER SEVIER RIVER (South of Richfield, Utah)													
Box Creek	3/27	39	13.7	17.1	12.3	3/27	1.37	2.65	14.90	13.70	109		
Bryce Canyon	3/29	0	0.0	11.3	2.7								
Castle Valley	3/29	20	7.2	18.6	12.2	3/29	1.70	2.69	10.59	14.55	73		
Duck Creek Ranger Station	3/28	16	6.4	23.7	12.2	3/27	2.40	3.02b	10.85	17.25b	63		
Farview	3/28	0	0.0	17.8	- -								
Harris Flat	3/28	0	0.0	16.8	6.6								
Kimberly Mine	3/25	42	16.7	21.9	15.0	3/25	2.01	4.08	17.82	17.32	103		
Midway Valley	3/28	43	15.0	35.9	20.8	3/28	2.35	- -	13.95	- -	- -		
Panguitch Lake	3/29	1	0.3	9.3	2.7	3/29	.87	1.24	5.45	7.19	76		
Rainbow Point	3/28	0	0.0	14.5	- -								
Squaw Springs	3/27	18	6.9	11.3	6.4								
Widtsoe Escalante #2	3/27	22	6.2	16.0	8.4								
Widtsoe Escalante #3	3/27	28	7.6	20.2	10.2	3/27	1.47	2.23	10.06	12.60	80		
Widtsoe Escalante Summit	3/27	11	3.8	13.8	5.9								
Widtsoe Ranger Station						3/27	1.35	- -	3.36	- -	- -		

## SNOW

## PRECIPITATION (Inches)

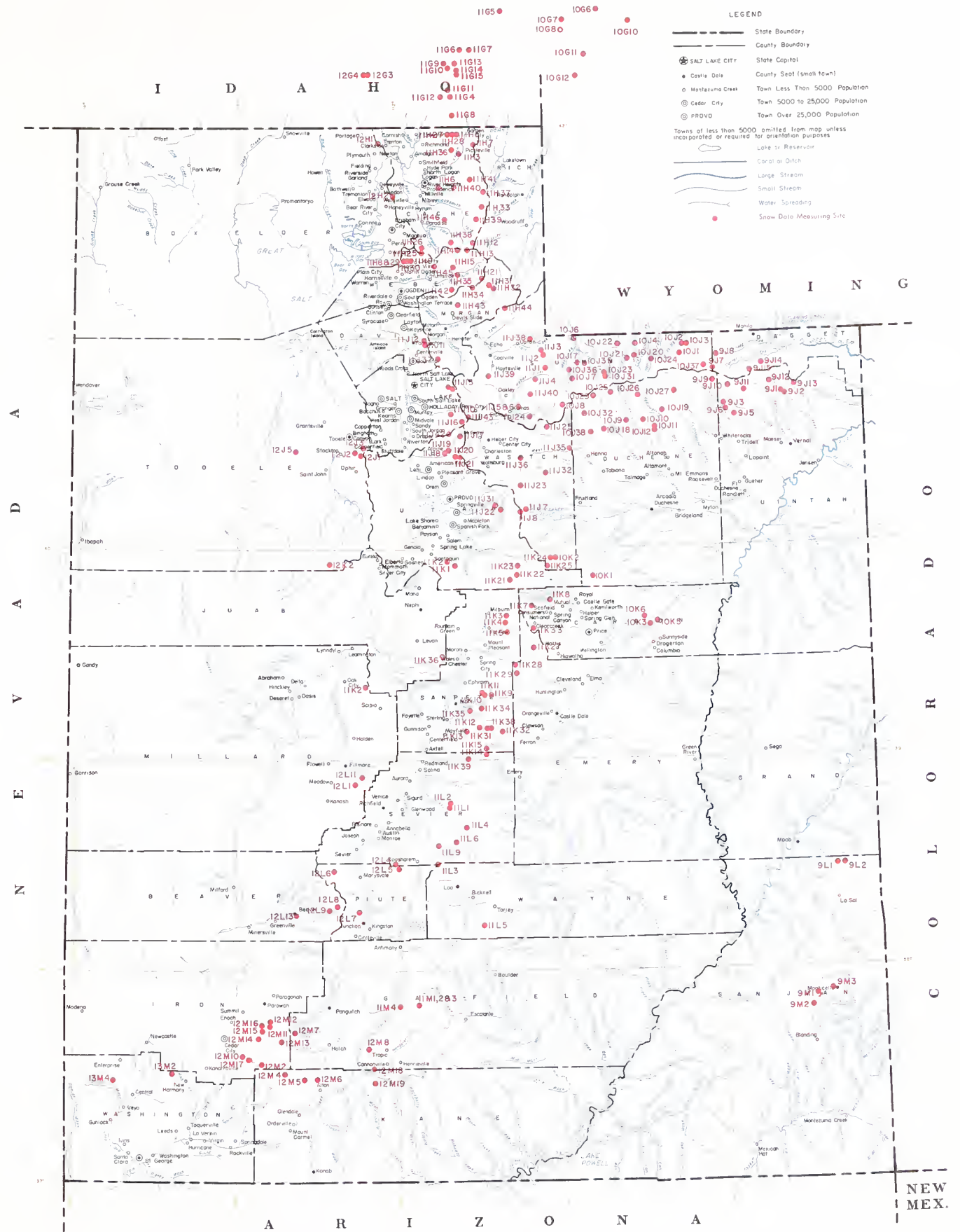
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)			FROM APPROX. OCT 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
				Last Year	Average †						
<u>LOWER SEVIER</u> <u>(Including San Pitch)</u>											
Beaver Dams	3/27	31	13.6	12.8	11.0	3/27	1.05	2.75	17.15	13.27	129
Farnsworth Lake	3/22	63	24.4	26.5	18.5	3/22	3.10	4.34	22.65	19.10	118
G.B.R.C. Headquarters	3/28	46	18.8	20.4	15.9	3/29	1.25	- -	19.80	- -	- -
G.B.R.C. Majors						3/29	.35	- -	10.05	- -	- -
G.B.R.C. Meadows	3/29	66	27.4	27.8	24.7	3/29	1.80	- -	23.53	- -	- -
G.B.R.C. Oaks						3/29	1.20	- -	13.15	- -	- -
Gooseberry Ranger Station	3/22	44	18.4	17.5	11.3	3/22	1.80	- -	15.40	- -	- -
Mammoth R.S.-Ctnwood Crk	3/28	46	20.0	22.5	19.8	3/28	1.40	3.29 <sup>b</sup>	17.70	18.64 <sup>b</sup>	95
Middle Fork	3/26	66	26.0	27.6	23.3						
Mt. Baldy Ranger Station	3/27	71	27.9	26.6	22.5	3/27	1.55	3.42 <sup>b</sup>	20.70	17.28 <sup>b</sup>	120
Oak Creek	3/29	31	10.2	- -	- -	3/29	- -	- -	16.41	14.64 <sup>a</sup>	112
Pickle Keg Springs	3/25	45	19.0	22.5**	- -						
Pine Creek	3/28	46	20.4	31.3	14.3	3/28	2.85	4.78	28.31	22.42	126
Rees' Flat	3/21	41	15.4	14.6	12.1	3/21	1.10	- -	- -	- -	- -
Shingle Mill	3/28	26	10.1	20.8	8.5 <sup>b</sup>	3/28	2.01	2.98 <sup>b</sup>	17.93	13.71 <sup>b</sup>	131
Thistle Flat	3/26	44	18.5	18.9	15.8						
<u>BEAVER RIVER</u>											
Beaver Canyon Power House						3/31	.93	1.83	9.82	8.90	110
Beaver Race Track	3/25	0	0.0	- -	- -						
Big Flat	3/26	49	15.6	24.1	17.2	3/26	1.38	3.49	14.37	16.39	88
Merchant Valley	3/26	25	9.9	14.7	8.4	3/26	1.25	3.01 <sup>a</sup>	13.16	13.83 <sup>a</sup>	95
Otter Lake	3/26	42	14.7	19.6	13.9						
<u>PAROWAN CREEK</u>											
Birch Crossing	3/27	10	3.5	10.5	- -						
Brian Head	3/24	51	19.6	28.4	- -						
Ed Ward Flat	3/27	17	6.6	17.1	6.9						
Tall Poles	3/27	35	13.1	19.8	- -	3/27	1.75	3.18 <sup>a</sup>	13.75	17.89 <sup>a</sup>	77
Yankee Reservoir	3/27	25	8.6	19.8	9.2	3/27	1.30	2.66	12.52	11.79	106
<u>COAL CREEK</u>											
SUSC Ranch	3/28	1	0.3	15.3	5.4 <sup>a</sup>						
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>											
Little Grassy Creek	3/29	0	0.0	17.9	1.1 <sup>b</sup>	3/29	1.45	1.78 <sup>b</sup>	9.75	13.03 <sup>b</sup>	82
Long Flat	3/29	8	3.4	21.0	4.8 <sup>b</sup>	3/29	.80	2.34 <sup>b</sup>	11.85	10.95 <sup>b</sup>	108
<u>COLORADO RIVER BASIN</u>											
<u>UPPER GREEN RIVER - UTAH</u>											
Ashley Twin Lakes A	4/4	Measurement Delayed									
Black's Fork Junction	3/26	35	11.6	7.5	9.6 <sup>b</sup>	3/26	1.73	2.28 <sup>b</sup>	13.43	11.53 <sup>b</sup>	116
Black's Fork G. S.-East Fork	3/26	32	9.5	7.2	9.7 <sup>b</sup>	3/26	1.87	2.44 <sup>b</sup>	13.49	11.87 <sup>b</sup>	114
Buck Pasture A	4/4	Measurement Delayed									
Burnt Creek	3/22	16	4.4	6.3	- -	3/22	1.25	1.48 <sup>b</sup>	9.50	9.01 <sup>b</sup>	105
Grizzly Ridge	3/20	24	7.2	13.3	- -	3/20	1.45	2.20 <sup>b</sup>	9.65	13.44	72
Henry's Fork A	4/4	Measurement Delayed									
Hewinta G. S.	3/26	36	10.8	8.3	9.9	3/26	2.38	2.55 <sup>b</sup>	15.34	12.50 <sup>b</sup>	123
Hickerson Park	3/22	22	6.9	7.8	6.3 <sup>b</sup>	3/22	1.35	1.64 <sup>a</sup>	10.60	8.29 <sup>a</sup>	128
Highline Trail*	4/4	Data Not Available from USU									
Hole-in-the-Rock G. S.	4/3	Delayed Reading									
Hole-in-the-Rock	4/3	Delayed Reading									
King's Cabin (lower)	3/20	14	4.0	12.2	8.8						
King's Cabin (upper)	3/20	24	6.4	13.7	10.5	3/20	1.10	2.16	7.15	11.26	64
Middle Beaver Creek	4/3	Delayed Reading									
Reynolds Park A	4/4	Data Not Available from USU									
Spirit Lake	3/22	38	10.3	16.6	12.7 <sup>b</sup>	3/22	1.95	2.65 <sup>b</sup>	12.80	14.16 <sup>b</sup>	90
Steel Creek Park	3/26	59	18.9	12.8	16.0 <sup>b</sup>						
Windy Park A	4/4	Data Not Available from USU									
<u>DUCHESNE RIVER</u>											
Atwood Basin A	4/4	Measurement Delayed									
Brown Duck Ridge	3/28	52	15.7	24.8	- -	3/28	- -	- -	15.40	- -	- -
Chepeta-Whiterocks Lakes A	4/4	Measurement Delayed									



## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
NAME											
DUCHESNE RIVER (continued)											
Currant Creek	4/1	14	5.6	10.2	8.4	4/1	- -	- -	8.97	13.62	66
Daniels-Strawberry Summit	3/28	28	11.8	16.3	14.2	3/28	1.23	3.01	16.13	17.61	92
East Portal	3/30	24	11.0	12.6	10.8	3/30	1.35	2.49b	16.86	18.17b	93
Five Point Lake A	4/4	Measurement Delayed									
Indian Canyon	3/25	25	7.6	15.2	12.5	3/25	.78	2.03b	8.39	13.28b	63
Jackson Park	3/27	34	8.4	- -	12.3	3/27	- -	- -	10.42	12.80a	81
Julius Park	3/31	Course Destroyed				3/21	1.20	1.88b	8.50	12.84b	66
Lakefork Basin A	4/4	Measurement Delayed									
Lakefork Mountain	3/26	29	8.4	12.7	11.1	3/26	1.19	2.02	10.78	12.24	88
Lakefork Mountain #2	3/26	9	3.3	9.1	7.4						
Lakefork Mountain #3	3/26	5	1.6	7.6	5.8						
Lightning Lake A	4/4	Measurement Delayed									
Mosby Mountain	3/21	20	5.6	9.8	9.8	3/21	.84	1.67a	7.79	10.83a	72
Paradise Park	3/21	28	7.8	13.4	12.0	3/21	1.67	1.94b	9.22	14.89b	62
Rock Creek	3/29	11	3.7	8.0	6.1	3/29	- -	- -	8.69	- -	- -
Strawberry Divide	3/30	47	17.9	19.6	18.9						
PRICE RIVER											
Corral	4/3	14	4.9	12.9	7.3b						
Dry Valley Divide	3/28	16	6.6	13.0	9.2						
Gooseberry Reservoir	3/28	43	18.2	22.6	19.1	3/28	1.40	3.18	19.38	18.18	107
Grassy Trail-Left Fork	4/3	15	4.9	14.2	8.8b						
Jones Ranch	3/28	8	3.0	8.4	5.3						
Mud Creek #2	3/28	26	9.8	15.0	12.6	3/28	1.22	2.60b	12.92	14.20b	91
Timberline	4/3	37	9.2	19.4	14.1b						
White River #1	3/29	35	13.5	14.3	12.6	4/1	1.42	2.41	14.88	14.28	104
White River #2	3/29	15	6.7	8.6	7.5						
White River #3	3/29	8	2.7	9.3	6.5						
SAN RAFAEL RIVER											
Buck Flat	3/27	46	18.3	16.9	16.2	3/27	1.90	3.01	18.50	17.30	107
Huntington-Horseshoe	3/28	52	21.8	26.2	23.7b						
Orange Olsen	3/29	0	0.0	5.1	- -	3/29	.45	1.05a	6.20	8.98a	69
Red Pine Ridge	3/29	44	16.8	16.1	17.1b	3/29	1.85	3.49	20.35	20.31	100
Rush Pond	3/27	40	14.0	15.8	13.6						
Seeley Creek	3/28	43	17.0	24.4	15.7						
Stuart Ranger Station	3/29	15	5.4	10.0	7.0	3/29	- -	- -	11.15	12.16	92
Upper Joe's Valley	3/29	26	9.5	10.2	9.7						
Wrigley Creek	3/27	31	11.2	13.3	10.9						
MUDDY RIVER											
Black's Fork	3/26	40	15.1	15.7	13.2						
Dill's Camp	3/26	40	14.8	14.4	11.8	3/26	1.45	- -	15.85	14.33a	111
FREMONT RIVER											
Black's Flat-U.M. Creek	3/25	38	13.2	13.2	10.5	3/25	1.76	2.81	14.11	12.15	116
Donkey Reservoir	3/26	19	5.0	14.2	7.2						
Fish Lake	3/25	30	10.9	11.4	5.8	3/25	.97	1.82b	9.32	9.36b	100
Johnson Valley	3/25	27	9.2	10.0	6.3						
MILL CREEK											
LaSal Mountain (lower)	3/25	22	8.5	13.8	9.0						
LaSal Mountain (upper)	3/25	44	16.7	20.8	15.7	3/25	.70	3.41b	12.35	15.67b	79
SAN JUAN RIVER											
Buckboard Flat	3/26	21	7.7	20.7	11.8	3/26	1.30	3.02	12.05	18.02	67
Camp Jackson	3/26	20	8.3	19.8	11.2	3/26	1.10	2.52b	11.65	15.92b	73
Monticello City Park	3/26	0	0.0	- -	- -						
VIRGIN RIVER											
Long Valley Junction	3/24	0	0.0	11.9	2.1						
Webster Flat	3/28	31	11.9	28.4	15.3	3/28	2.60	3.60	- -	19.27	- -
Kolob-Crystal	4/1	46	17.5	33.7	- -						
a - Partly Estimated						* - USU-SCS Cooperative Radio Reading					
b - Average of all past record - less than 15 years						+ - 1958-72 Average					
** - SCS Radio Reading						A - Aerial Reading					





INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

NO.	STATE	NAME	SEC	TWP.	RGE.	ELEV.	NO	STATE	NAME	SEC.	TWP.	RGE.	ELEV.	NO	STATE	NAME	SEC	TWP.	RGL	ELEV.
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GREAT BASIN DRAINAGE

UPPER BEAR RIVER (above Harer, Idaho)										JORDAN RIVER & GREAT SALT LAKE										DUCHESNE RIVER									
10G11	W	Big Park	7	27N	17W	8,700	12J2	U	Bevon's Cabin	24	4S	4W	6,450	10J27op	U	Atwood Basin	21	1S	15E	10,250									
10G12	W	Burts-Miller Ranch	19	3N	10E	7,900	12J5p	U	Deseret Peak	14	3N	7W	9,250	10J9P	U	Brown Duck Lake	2	2N	6W	10,300									
10G7	W	CCC Camp x	9	29N	18W	7,500	11J12p	U	Farmington Canyon (lower)	26	3N	1E	6,950	9J14P	U	Burnt Creek	4	1N	20E	7,900									
10J36p	U	Gold Hill	11	1N	9E	10,000	11J11	U	Lamb's Canyon (upper)	21	1S	3E	7,400	9J9op	U	Chepta-Whiterocks Lakes	3	1S	17E	10,300									
10J7p	U	Hayden Fork	25	1N	9E	9,400	11J41P	U	Middle Canyon	18	4S	3W	7,000	10J26op	U	Currant Creek	31	1S	10W	7,800									
10G12	W	Kelly Ranger Station	13	26N	18W	8,200	12J3P	U	Mill D South Fork	18	2S	3E	7,400	9J13P	U	Five Point Lake	28	4N	5W	11,000									
10J35p	U	Lilly Lake	34	2N	10E	9,300	11J10	U	Rocky Basin--Settlement Canyon	30	4S	3W	8,900	10K1P	U	Grizzly Ridge	8	1S	22E	8,500									
11H12P	U	Monte Cristo R.S.	4	8N	4E	8,960	12J1P	U	Silver Lake (Brighton)	35	2S	3E	8,725	10J19P	U	Indian Canyon	2	11S	22E	8,500									
10G10	W	Pinney Labarge x	19	29N	14W	8,820	11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725	10J19P	U	Indian Canyon	2	11S	22E	8,500									
10G6	W	Poison Meadows x	29	30N	16W	8,500	11J42	U	Snow Bird (Gad Valley)	18	3S	3E	10,000	9J6P	U	Jackson Park	23	3N	4W	11,300									
10G8P	W	Salt River Summit x	32	29N	18W	7,900	12K2P	U	Vernon Creek	21	10S	5W	7,500	10J38p	U	Julius Park	20	3N	1E	9,800									
10J7P	U	Stillwater Camp	32	2N	10E	8,550										Lake Basin	23	3N	8W	10,150									
LOWER BEAR RIVER (below Harer, Idaho)																													
11H37P	U	Bug Lake	18	11N	5E	7,950	12L4P	U	Box Creek	33	26S	2W	9,800	10J10P	U	Lakefork Basin	2 & 3	2N	5W	11,000									
11H36p	U	Bunchgrass	13	1N	5E	8,400	12M8	U	Bryce Canyon	36	36S	4W	8,000	10J11	U	Lakefork Mountain #2	17	2N	4W	8,900									
11G11	U	Christensen Ranch	27	13S	41E	5,600	12M13P	U	Castle Valley	23	36S	8W	9,700	10J12	U	Lakefork Mountain #3	29	2N	4W	8,900									
11H38p	U	Cinamon Creek	5	8N	3E	7,300	12M4P	U	Duck Creek R.S.	11	38S	8W	8,700	9J2P	U	Lightning Lake	24	4N	8W	10,950									
12H1e	U	Clarkston Mountain	29	14N	2W	6,300	12M18	U	Farview	32	37S	4W	8,200	9J3P	U	Moby Mountain	27	2S	18E	9,500									
11G12	U	Cub River Ranger Station	5	15S	41E	5,400	12M5	U	Harris Flat	32	37S	4W	8,200	10J18P	U	Paradise Park	27	2S	18E	9,500									
11H39p	U	Curtis Creek	12	10N	4E	8,450	11L9P	U	High-Top Mountain	34	38S	7W	7,700	10J18P	U	Rock Creek	21	2N	7W	7,900									
11H39p	U	Dry Springs	34	10N	4E	8,450	12L6P	U	Kimbark Mine	21	37S	5W	11,400	10J32P	U	Shadow Lake	28	3N	8W	10,150									
11G14a	U	Dry Basin	30	13S	42E	7,900	12M2M	U	Midway Valley	26	37S	9W	9,800	11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250									
11G4	U	Dry Creek Flat	31	13S	37E	6,350	12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200																
11G6	U	Enigrant Summit	21	12S	42E	7,350	12M19	U	Rainbow Point	29	38S	4W	9,100																
11G7	U	Enigrant Canyon (mouth)	24	12S	42E	6,500	12L5	U	Squaw Springs	3	27S	2W	7,300																
11G8MP	U	Franklin Basin	34 & 35	16S	41E	8,000	11M4P	U	Widhoe R.S.	22	34S	2W	7,600																
11H7MP	U	Garden City Summit	24	14N	2E	7,600																							
11H40p	U	Hell Canyon	24	11N	2W	6,400																							
11H15p	U	Herdshaw Basin	10	14N	3E	7,400	11K13P	U	Beaver Dam	27	19S	3E	8,000																
11H1MP	U	Klondike Narrows	7	13S	42E	8,000	11K11P	U	Farnsworth Lake	27 & 33	23S	2E	9,900																
11G13	U	Liberty Springs	15	8N	1E	6,550	11K10	U	G.B.R.C. Headquarters	21	17S	4E	8,700																
11H25p	U	Little Bear (lower)	7	13S	42E	8,240	11K12P	U	Gooseberry R.S.	22	23S	2E	8,400																
11H25P	U	Little Bear (upper)	22	8N	1E	6,550	11K3MP	U	Marathon R.S.-Cottonwood Creek	13	13S	5E	8,800																
12C3	U	MI. Logan	3	11N	2E	9,000	11K34	U	Middle Fork	16	18S	4E	9,600																
11H46p	U	Oxford Mountain	32	13S	37E	6,800	11K2P	U	Mt. Baldy R.S.	19	19S	4E	9,500																
11G5	U	Paradise Canyon	36	10N	2E	7,650	11K29PT	U	Old Creek	9	17S	3W	7,760																
11H27	U	Slug Creek Divide	15	10S	44E	7,225	12L1P	U	Pickle Keg Springs	4	21S	3E	9,600																
11H28	U	Sheep Hollow #1	7	14N	3E	8,500	11K36	U	Reed's Flat	20	15S	2E	7,300																
11G9	U	Sheep Hollow #2	9	14N	3E	7,700	12L11P	U	Shingle Mill	5	22S	3W	6,200																
11H11G	U	Shawberry Creek	9	13S	41E	5,800	11K35	U	Thistle Flat	23	18S	3E	8,500																
11H3M	U	Strawberry Mink Divide	14	13S	41E	6,800																							
11H41P	U	Tony Grove Ranger Station	11	13N	3E	6,250																							
11G4P	U	Trigona Springs	29	12N	4E	7,600																							
11G4P	U	Willow Flat	2	15S	41E	6,100																							
OGDEN RIVER																													
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150	12L13	U	Beaver Race Track	23	29S	7W	6,020																
11H8P*	U	Ben Lomond Peak	3	7N	1W	8,000	12L7PT	U	Big Flat	18	29S	4W	10,280																
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000	12L9P	U	Merchant's Valley	8 & 9	29S	5W	8,200																
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000	12L8	U	Other Lake	1	29S	5W	9,300																
11H35P	U	Causey Dam	34	7N	3E	5,500																							
11H29	U	Cutler Creek	3	7N	1W	6,000	12M16	U	Birch Crossing	23	35S	9W	8,100																
11H3MP	U	Dry Beard Pond	19	8N	4E	6,780	12M14	U	Brian Head	10	36S	9W	10,000																
11H34p	U	Guidler's Peak	21	6N	4E	8,950	12M12	U	Ed Ward Flat	17	35S	9W	8,300																
11H42p	U	Meggie Lake	29	6N	3E	7,700	12M15P	U	Tall Poles	26 & 35	35S	9W	8,800																
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420	12M11P	U	Yankee Reservoir	20	35S	8W	8,700																
11H15P	U	Sagehen Flat	21	7N	3E	6,300																							
WEBER RIVER																													
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500	12M17	U	COAL CREEK	18	37S	9W	8,200																
11J24P	U	Chalk Creek #1	17	20	8E	7,100	12M10	U	CSU Ranch	11	37S	10W	8,450																
11J24P	U	Chalk Creek #2	20	2N	8E	7,100																							
11J3MP	U	Chalk Creek #3	29	5N	6E	7,500	13M4MP	U	Little Grassy Creek	15	38S	17W	6,100																
11H44p	U	Francis Canyon	29	5N	6E	7,400	13M2MP	U	Long Flat	2	38S	14W	8,000																
11J37P	U	Hardacre	16	2N	2E	6,500																							
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350																							
11H21PT	U	Hoodoo Ridge	1	6N	4E	8,260																							
11H31P	U	Killfare Creek	20	6N	5E	7,300																							
11H32P	U	Last Creek	27	6N	5E	6,125																							
11J43	U	Park City Smt.	20	2S	4E	9,300																							
11J15PTS*	U	Parley's Canyon Summit	5	1S	3E	7,500																							
11J38P	U	Parcupine	22	3N	7E	8,100																							
11J6P	U	Redden Mine (lower)	1	2N	6E	8,300																							
11J39P	U	Redden Mine (upper)	1	2N	6E	8,300																							
11J5P	U	Sergeant Lakes	17	1N	5E	8,400																							
11J40P	U	Shingle Mill Flat	15	1S	7E	9,900																							
11J4P	U	Smith & Morehouse	25	1N	7E	7,600																							
COLORADO RIVER DRAINAGE																													
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500	12M17	U	COAL CREEK	18	37S	9W	8,200																
11J24P	U	Chalk Creek #1	17	20	8E	7,100	12M10	U	CSU Ranch	11	37S	10W	8,450																
11J																													

# Agencies Cooperating in Utah Snow Surveys

## U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U.S. Department of Commerce  
NOAA, National Weather Service  
U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah State University  
Utah Fish and Game Department  
Utah State Department of Natural  
Resources, Division of Water Rights  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation



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## FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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water supply for irrigation,  
domestic and municipal water  
supply, hydro-electric power  
generation, navigation,  
mining and industry

*"The Conservation of Water begins  
with the Snow Survey"*